

CMSC 735
Assignment 5

April 25, 2006
Due May 2, 2006

A major software development organization has decided to use a version of PBR as part of their requirements review process. They already have a requirements review process but it does not have a specific reading technique associated with it.

Part 1 (10 points)

They want to evaluate the technique during the training course and improve it based upon what they have learned. Design an experiment that will allow them to evaluate the process in a classroom situation and learn enough to make improvements in its applicability, cost and/or effectiveness.

You should write a GQM evaluation goal (use the GQM template), give a specific, detailed evaluation model that they could implement and learn from (they care about cost and effectiveness of the technique), and give an experimental design, pointing out the major threats to validity of the design.

Part 2 (10 points)

Then they want to study it on a real application. They are open to options, e.g., use it on half of the project but not the other half. They have data from prior projects on the number of changes made to the requirements document after the review process.

You should write a GQM evaluation goal (use the GQM template), give a specific, detailed evaluation model that they could implement and learn from, and give an study design, pointing out the major threats to the design.

You must limit yourself to a MAXIMUM of 4 pages, 12 size times font.